## Kim M Plummer

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Genomic Analysis of the Necrotrophic Fungal Pathogens Sclerotinia sclerotiorum and Botrytis cinerea. PLoS Genetics, 2011, 7, e1002230.	3.5	902
2	RNA interference in the light brown apple moth, Epiphyas postvittana (Walker) induced by double-stranded RNA feeding. Insect Molecular Biology, 2006, 15, 383-391.	2.0	305
3	Revision of the Nomenclature of the Differential Host-Pathogen Interactions of <i>Venturia inaequalis</i> and <i>Malus</i> . Annual Review of Phytopathology, 2011, 49, 391-413.	7.8	176
4	Approaches to functional genomics in filamentous fungi. Cell Research, 2006, 16, 31-44.	12.0	159
5	Analysis of the DECREASED APICAL DOMINANCE Genes of Petunia in the Control of Axillary Branching. Plant Physiology, 2007, 143, 697-706.	4.8	149
6	<i>Venturia inaequalis</i> : the causal agent of apple scab. Molecular Plant Pathology, 2011, 12, 105-122.	4.2	142
7	Simultaneous silencing of multiple genes in the apple scab fungus, Venturia inaequalis, by expression of RNA with chimeric inverted repeats. Fungal Genetics and Biology, 2004, 41, 963-971.	2.1	115
8	The Carboxylesterase Gene Family from Arabidopsis thaliana. Journal of Molecular Evolution, 2003, 57, 487-500.	1.8	104
9	Blackleg disease on oilseed Brassica in Australia: a review. Australian Journal of Experimental Agriculture, 1995, 35, 665.	1.0	97
10	The Vh8 locus of a new geneâ€forâ€gene interaction between Venturia inaequalis and the wild apple Malus sieversii is closely linked to the Vh2 locus in Malus pumila R12740â€7A. New Phytologist, 2005, 166, 1035-1049.	7.3	92
11	Major chromosomal length polymorphisms are evident after meiosis in the phytopathogenic fungus Leptosphaeria maculans. Current Genetics, 1993, 24, 107-113.	1.7	90
12	The Vh2 and Vh4 scab resistance genes in two differential hosts derived from Russian apple R12740-7A map to the same linkage group of apple. Molecular Breeding, 2005, 15, 103-116.	2.1	85
13	Morphological and molecular analysis of Colletotrichum acutatum sensu lato. Mycological Research, 1999, 103, 275-285.	2.5	81
14	Comparative Genomics of 12 Strains of Erwinia amylovora Identifies a Pan-Genome with a Large Conserved Core. PLoS ONE, 2013, 8, e55644.	2.5	80
15	Comparative analysis of the predicted secretomes of Rosaceae scab pathogens Venturia inaequalis and V. pirina reveals expanded effector families and putative determinants of host range. BMC Genomics, 2017, 18, 339.	2.8	68
16	Agrobacterium and PEG-mediated transformation of the phytopathogen Venturia inaequalis. Mycological Research, 2003, 107, 803-810.	2.5	65
17	High-Resolution Crystal Structure of Plant Carboxylesterase AeCXE1, from Actinidia eriantha, and Its Complex with a High-Affinity Inhibitor Paraoxon,. Biochemistry, 2007, 46, 1851-1859.	2.5	58
18	Non-aggressive Strains of the Blackleg Fungus, Leptosphaeria maculans, Are Present in Australia and Can Be Distinguished From Aggressive Strains by Molecular Analysis. Australian Journal of Botany, 1994, 42, 1.	0.6	53

KIM M PLUMMER

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19	Inhibition of cereal rust fungi by both class <scp>I</scp> and <scp>II</scp> defensins derived from the flowers of <i><scp>N</scp>icotiana alata</i> . Molecular Plant Pathology, 2014, 15, 67-79.	4.2	48
20	Inheritance of chromosomal length polymorphisms in the ascomycete Leptosphaeria maculans. Molecular Genetics and Genomics, 1995, 247, 416-422.	2.4	47
21	Effect of Disruption of a Cutinase Gene (cutA) on Virulence and Tissue Specificity of Fusarium solani f. sp. cucurbitae race 2 Toward Cucurbita maxima and C. moschata. Molecular Plant-Microbe Interactions, 1997, 10, 355-368.	2.6	44
22	Genome Sequence of an <i>Erwinia amylovora</i> Strain with Pathogenicity Restricted to <i>Rubus</i> Plants. Journal of Bacteriology, 2011, 193, 785-786.	2.2	40
23	GcSTUA, an APSES Transcription Factor, Is Required for Generation of Appressorial Turgor Pressure and Full Pathogenicity of <i>Glomerella cingulata</i> . Molecular Plant-Microbe Interactions, 2007, 20, 1102-1111.	2.6	37
24	Direct comparison of Arabidopsis gene expression reveals different responses to melatonin versus auxin. BMC Plant Biology, 2019, 19, 567.	3.6	37
25	Two novel Venturia inaequalis genes induced upon morphogenetic differentiation during infection and in vitro growth on cellophane. Fungal Genetics and Biology, 2008, 45, 1329-1339.	2.1	35
26	Candidate effector gene identification in the ascomycete fungal phytopathogen <i>Venturia inaequalis</i> by expressed sequence tag analysis. Molecular Plant Pathology, 2009, 10, 431-448.	4.2	33
27	Characterisation of a protein from Venturia inaequalis that induces necrosis in Malus carrying the Vm resistance gene. Physiological and Molecular Plant Pathology, 2003, 62, 193-202.	2.5	32
28	The heat shock response is involved in thermotolerance in suspension-cultured apple fruit cells. Journal of Plant Physiology, 2002, 159, 599-606.	3.5	31
29	Molecular Identification of a Sexual Interloper: The Pear Pathogen, Venturia pirina, has Sex on Apple. Phytopathology, 2001, 91, 633-641.	2.2	30
30	Biochemical characterisation of MdCXE1, a carboxylesterase from apple that is expressed during fruit ripening. Phytochemistry, 2011, 72, 564-571.	2.9	28
31	Analysis of intra-host genetic diversity of Prunus necrotic ringspot virus (PNRSV) using amplicon next generation sequencing. PLoS ONE, 2017, 12, e0179284.	2.5	28
32	Ability of aLeptosphaeria maculans isolate to form stem cankers on Indian mustard (Brassica juncea) segregates as a single locus. European Journal of Plant Pathology, 1996, 102, 349-352.	1.7	26
33	The specificity of PCR-based protocols for detection of Erwinia amylovora. Australasian Plant Pathology, 2011, 40, 87-97.	1.0	25
34	A Large Family of AvrLm6-like Genes in the Apple and Pear Scab Pathogens, Venturia inaequalis and Venturia pirina. Frontiers in Plant Science, 2015, 6, 980.	3.6	25
35	Generic Amplicon Deep Sequencing to Determine Ilarvirus Species Diversity in Australian Prunus. Frontiers in Microbiology, 2017, 8, 1219.	3.5	25
36	Proteogenomic Analysis of the <i>Venturia pirina</i> (Pear Scab Fungus) Secretome Reveals Potential Effectors. Journal of Proteome Research, 2014, 13, 3635-3644.	3.7	23

KIM M PLUMMER

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37	Bacterial and Fungal Communities Are Differentially Modified by Melatonin in Agricultural Soils Under Abiotic Stress. Frontiers in Microbiology, 2019, 10, 2616.	3.5	23
38	The effect of elevated CO2 and virus infection on the primary metabolism of wheat. Functional Plant Biology, 2016, 43, 892.	2.1	22
39	Evidence for Sexual Reproduction: Identification, Frequency, and Spatial Distribution of <i>Venturia effusa</i> (Pecan Scab) Mating Type Idiomorphs. Phytopathology, 2018, 108, 837-846.	2.2	19
40	Analysis of a Secreted Aspartic Peptidase Disruption Mutant of Glomerella cingulata. European Journal of Plant Pathology, 2004, 110, 265-274.	1.7	18
41	Comparative analysis of the Hrp pathogenicity island of Rubus- and Spiraeoideae-infecting Erwinia amylovora strains identifies the IT region as a remnant of an integrative conjugative element. Gene, 2012, 504, 6-12.	2.2	16
42	Whole Genome Sequence Resource of the Asian Pear Scab Pathogen <i>Venturia nashicola</i> . Molecular Plant-Microbe Interactions, 2019, 32, 1463-1467.	2.6	13
43	First Report of <i>Apricot vein clearing-associated virus</i> (AVCaV) in Australia and in a New Host, <i>Prunus cerasifera</i> . Plant Disease, 2017, 101, 1337-1337.	1.4	11
44	Plant Defensins NaD1 and NaD2 Induce Different Stress Response Pathways in Fungi. International Journal of Molecular Sciences, 2016, 17, 1473.	4.1	8
45	The Incidence and Genetic Diversity of Apple Mosaic Virus (ApMV) and Prune Dwarf Virus (PDV) in Prunus Species in Australia. Viruses, 2018, 10, 136.	3.3	8
46	CRISPR-Cas9 gene editing and rapid detection of gene-edited mutants using high-resolution melting in the apple scab fungus, Venturia inaequalis. Fungal Biology, 2022, 126, 35-46.	2.5	8
47	Elevated CO2 and virus infection impacts wheat and aphid metabolism. Metabolomics, 2018, 14, 133.	3.0	7
48	Antimicrobial activity of essential oils and pure oil compounds against soilborne pathogens of vegetables. Australasian Plant Pathology, 2013, 42, 385-392.	1.0	6
49	First Report of <i>Cherry virus A</i> (CVA) in Australia and the First Report of CVA Infecting <i>Prunus cerasifera</i> . Plant Disease, 2016, 100, 1511-1511.	1.4	6
50	Editorial: How Can Secretomics Help Unravel the Secrets of Plant-Microbe Interactions?. Frontiers in Plant Science, 2016, 7, 1777.	3.6	4
51	High doses of melatonin confer abiotic stress tolerance to phytopathogenic fungi grown in vitro. Melatonin Research, 2020, 3, 187-193.	1.1	4
52	Quantitative Proteomic Analysis of the Slime and Ventral Mantle Glands of the Striped Pyjama Squid ( <i>Sepioloidea lineolata</i> ). Journal of Proteome Research, 2020, 19, 1491-1501.	3.7	2